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Telephone: (510) 843-6200 Facsimile: (510) 843-6203
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January 24, 2005

Receiver: Examiner Laura S. Weiner

TEL #: (571) 272-1294

FAX #: (703) 872-9306

Sender: James E. Austin

Re: U.S. Divisional Patent Application entitled, "*Electrolytes With Strong
Oxidizing Additives For Lithium/Sulfur Batteries*"

Inventor(s): Nimon et al.

Application No.: 10/645,193

Filed: August 20, 2003

Our File No.: PLUSP023D1

Pages Including Cover Sheet(s): 6


MESSAGE:

Dear Examiner Weiner:

Please find attached a clear copy of the original PTO Forms 1449, submitted with the Information Disclosure Statement filed August 20, 2003, referred to in the response filed December 23, 2004.

If you have any questions or comments, please feel free to contact me at (510) 663-1100.

Best regards,


James E. Austin

CONFIDENTIALITY NOTE

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|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty Docket No. | Application No.: |
| | PLUSP023D1 | Not yet assigned |
| | Applicant: | |
| | Nimon, et al | |
| | Filing Date | Group |
| | August 20, 2003 | Not yet assigned |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|------------|----------|--------------------|-------|-----------|-------------|
| | A1 | 3,404,035 | 10/01/68 | J.T. Kummer et al. | | | |
| | A2 | 3,413,150 | 11/26/68 | J.T. Kummer et al | | | |
| | A3 | 3,532,543 | 10/06/70 | Nole & Moss | | | |
| | A4 | 3,907,591 | 09/23/75 | Lauck | | | |
| | A5 | 3,915,743 | 10/28/75 | Lauck | | | |
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| | A7 | 3,953,231 | 04/27/76 | Farrington & Roth | | | |
| | A8 | 4,002,492 | 1/11/77 | Rao | | | |
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| | A10 | 4,143,214 | 3/06/79 | Chang | | | |
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| | A12 | 4,436,796 | 3/13/84 | Huggins et al. | | | |
| | A13 | 4,386,019 | 5/31/83 | Kaun et al. | | | |
| | A14 | 4,469,761 | 09/04/84 | Bennett et al. | | | |
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| | A22 | 5,162,175 | 11/10/92 | Visco et al. | | | |
| | A23 | 5,523,179 | 6/4/96 | Chu | | | |
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| | A25 | 5,532,077 | 7/2/96 | Chu | | | |
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| | A29 | 5,698,339 | 12/16/97 | Kawakami et al. | | | |
| Examiner | | | | Date Considered | | | |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| | PLUSP023D1 | Not yet assigned |
| | Applicant: | |
| | Nimon, et al | |
| | Filing Date | Group |
| | August 20, 2003 | Not yet assigned |

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| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
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Foreign Patent or Published Foreign Patent Application

| Examiner Initial | No. | Document No. | Publication Date | Country or Patent Office | Class | Sub-class | Translation | |
|------------------|-----|--------------|------------------|--------------------------|-------|-----------|-------------|----|
| | | | | | | | Yes | No |
| | B1 | EP0602984A2 | 6/94 | EPO | | | X | |
| | B2 | EP0689260 | 12/27/95 | EPO | | | X | |
| | B3 | GB2 273603A | 6/94 | Great Britain | | | | |
| | B4 | GB2 137406A | 10/84 | Great Britain | | | | |
| | B5 | 6-275313 | 9/30/94 | Japan | | | X | |
| | B6 | 2311410 | 9/24/97 | UK | | | | |
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Other Documents

| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication |
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| | C1 | Abstract of proceedings of the 6 th International Symposium of Power Sources 2, 1968, Brighton, Sussex, UK, 24-26, September 1968 |
| | C2 | Coleman et al, "The sulfur electrode", Proceedings of the 6 th international Symposium of Power Sources, pp. 2889-302, (1968) |
| Examiner | | Date Considered |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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|----------------------------------------------------------|----------------------------------------------|----------------------------------------------------|
| Form 1449 (Modified) | Atty Docket No. PLUSP023D1 | Application No.: Not yet assigned |
| Information Disclosure Statement By Applicant | Applicant: Nimon, et al | |
| (Use Several Sheets if Necessary) | Filing Date August 20, 2003 | Group Not yet assigned |

Other Documents

| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication |
|------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | C3 | Visco, S.J., Liu, M., Armand, B. and De Jonghe, L.C., Solid Redox Polymerization Electrodes and Their use in All-Solid-State Batteries", Mol. Cryst. Liq. Cryst., 190, Page 198, 1990 |
| | C4 | Societe des Accumulateurs Fixes et de Traction, "Lithium-sulfur battery", Abstracts 111055d, Chemical Abstracts 66: 10360; 1967. |
| | C5 | DeGott, P., "Polymere Carbone-Soufre Synthese Et Proprietes Electrochimiques," Doctoral Thesis at l'Institut National Polytechnique de Grenoble, (Date of Defense 19 June 1986). |
| | C6 | Lauck, H., "Storage battery with lithium anode and sulfur cathode," Abstract # 9855s, Chemical Abstracts, 80: 467-468; 1974. |
| | C7 | Peled et al., "Rechargeable Lithium-Sulfur Battery (Extended Abstract), Journal of Power Source, 26: 269-271, 1989. |
| | C8 | Peled et al., "Lithium-Sulfur Battery: Evaluation of Dioxolane-Based Electrolytes", J. Electrochem. Soc., 136 (6): 1621-1624, June 1989. |
| | C9 | Peramunage and Licht, "A Solid Sulfur Cathode for Aqueous Batteries"; Science 261: 1029-1032, August 20, 1993. |
| | C10 | Rauh et al., "Formation of Lithium Polysulfides in Aprotic Media", J. Inorg., Nuc. Chem., 39: 1761-1765, 1977. |
| | C11 | Rauh et al. "A Lithium/Dissolved Sulfur Battery with an Organic Electrolyte"; J. Electrochem. Soc., 126(4): 523-527, April 1979. |
| | C12 | Yamin and Peled, "Electrochemistry of Nonaqueous Lithium/Sulfur Cell", J. Power Sources, 9: 281-287, 1983. |
| | C13 | Yamin et al., "Lithium Sulfur Battery,; J. Electrochem. Soc., 135(5): 1045-1048, May 1988. |
| | C14 | S.J. Visco, M.M. Doeff, and L.C. De Jonghe, "Thin-Film Technology for Solid-State Lithium Batteries Employing Solid Redox Poly-Merization Cathodes", Pages 89-92, Society of Vacuum Coaters, 1991. |
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| Form 1449 (Modified) | Atty Docket No. PLUSP023 | Application No.: 09/789,379 |
| Information Disclosure Statement By Applicant | Applicant: Chu, et al | |
| (Use Several Sheets if Necessary) | Filing Date February 20, 2001 | Group 1745 |

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| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication |
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| | C15 | Liu, □ Meilin, Visco, Steven J., and De Jonghe, Lutgard C., "Novel Solid Redox Polymerization Electrodes Electrochemical Properties", J. Electrochem Soc., Vol. 138, No. 7, Pages 1896-1901, July 1991. |
| | C16 | Liu, Meilin, Visco, Steven J., and De Jonghe, Lutgard C., "Novel Solid Redox Polymerization Electrodes All-Solid State, Thin-Film, Rechargeable Lithium Batteries", J. Electrochem Soc., Vol. 138, No. 7, Pages 1891-1895, July 1991. |
| | C17 | Ue, Makoto, Visco, Steven J., and De Jonghe, Lutgard C., "Comparison of Cathode Utilization between Polymeric Organodisulfide and Titanium Disulfide in Solid Polymer Electrode Rechargeable Lithium Cells", Denki Kagaku, Vol. 61, No. 12, Pages 1409-1415, 1993. |
| | C18 | A. Gavrilov, et al. "In Situ Morphological Study of Lithium-Electrolyte Interface", Electrochemical Society, (Extended Abstract). |
| | C19 | Meilin, Lui, "Novel Electrodes for Advanced Energy Storage System" Dissertation for Ph.D. at the University of Berkeley, Chapter 2, Pages 3-6, 1989. |
| | C20 | Kavan, L., Novak, P., and Dousek, F.P., "Electrochimica Acta," Vol. 33, No. 11, Pages 1605-1612, March 8, 1988, Great Britain. |
| | C21 | Brummer, S.B., et al., "Low Temperature Lithium/Sulfur Secondary Battery (Annual Progress Report, Dec. 1, 1974 - Dec. 1, 1975)," EIC Corporation, April 1976, Newton, Massachusetts. |
| | C22 | Larry A. Dominey, "Lithium Batteries" New Materials, Developments and Perspectives, 1994, New York, Industrial Chemistry Library, Volume 5, pp. 137-165. |
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| | C24 | Wang, Jiqiang, et al. "Investigations of Binary Lithium-Zinc, Lithium-Cadmium and Lithium-Lead Alloys as Negative Electrodes in Organic Solvent-Based Electrolyte", 1986, Solid State Ionics 20, pp.185-189. |
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| Form 1449 (Modified) | Atty Docket No. PLUSP023 | Application No.: 09/789,379 |
| Information Disclosure Statement By Applicant | Applicant: Chu, et al | |
| (Use Several Sheets if Necessary) | Filing Date February 20, 2001 | Group 1745 |

Other Documents

| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication |
|---------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | C25 | Rao, B.M.L., et al. "Lithium-Aluminus Electrode", October 1977, J. Electrochem. Soc.: Electrochemical Science and Technology, pp.1490-1492. |
| | C26 | Abraham, K.M., "Some Chemistry in the Li/SOCl ₂ + BrCl Cell", November 1998, J. Electrochem. Soc.: Electrochemical Science and Technology, pp.2686-2691 |
| | C27 | Besenhard, J.O., "Cycling Behavior and Corrosion of Li-Al Electrodes in Organic Electrolytes", 1978, J. Electroanal Chem., 94, pp.77-81. |
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